

PAYKIN, L.M.: KULIKOV, A.I.; LESOVAYA, N.G.

Combatting field slugs. Patent U.S.S.R. 77,877, Dec.31, 1949.
(CA 47 no.19:10172 '53)

MARKOVICH, A.V.; SOKOLOV, B.V.; MEDVEDKOVA, A.A.; PAYKIN, M.D.;
FROLOVA, M.A.

Effectiveness of N-morpholynemethyltetracycline chemotherapy
in experimental infections with coecal bacteria. Antibiotiki
9 no.4:343-347 Ap '64. (MIRA 19:1)

1. Leningradskiy nauchno-issledovatel'skiy institut antibiotikov.

MARKOVICH, A. V.; SOKOLOV, B. V.; MEDVEDKOVA, A. A.; PAYKIN, M. D.; FROLOVA, M. A.;
IL'IN, G. I.

"Therapy of experimental coccal infections by soluble tetracycline derivatives
and by tetracycline."

report submitted for Antibiotics Cong, Prague, 15-17 Jun 64.

Sci Res Inst of Antibiotics, Leningrad.

ALEKSEYEV, Grigoriy Porfir'yevich; MAZOVER, Iosif Semenovich; ~~PAYKIN, ---~~
~~Ye.V.,~~ inzh., retsenzent; POLYAKOV, V.S., dotsent, kand.tekhn.
nauk, retsenzent; SERDYUKOV, S.A., nauchnyy red.; LUKASHEVICH,
L.A., red.; SHAURAK, Ye.N., red.; TSAL, R.K., tekhn.red.

[Manual for machinery designers and builders; formulas and
calculations] Spravochnik konstruktora-mashinostroitelia;
formuly i raschety. Leningrad, Gos.soiuznoe izd-vo sudostroita.
promyshl., 1961. 447 p. (MIRA 14:6)
(Machinery--Construction)

ACCESSION NR: AP4020038

S/0032/64/030/003/0218/0281

AUTHORS: Gurvich, D. B.; Balandina, V. A.; Paykina, L. M.

TITLE: Coulometric determination of monomers with control of polymer production

SOURCE: Zavodskaya laboratoriya, v. 30, no. 3, 1964, 278-281

TOPIC TAGS: coulometric titration, potentiometer PPTV 1, potentiometer R 307, milliammeter M82, microammeter M194, battery ZSL 30, polymer, monomer, bromine, styrene, acetate

ABSTRACT: The authors have investigated the possible use of the coulometric method for quantitative determination of content of vinyl acetate, styrene, α -methyl styrene, and total styrene plus α -methyl styrene at various stages in the technological process of polymer and copolymer production and at the final stage of prepared polymer material. They have investigated in detail the conditions for producing bromine from a 0.1-normal solution of KBr in 0.3-normal HCl in the presence of alcohol or of alcohol plus benzene to determine > 0.03 mg of monomer that has not participated in the polymerization reaction. They describe an apparatus for coulometric titration and provide an equation to determine the monomer content. The relative error is about 5.5%, and the determination takes

Card 1/2

PAYKLIK, K.M. [Põiklik, K.]

Accumulation and expenditure of sugars as related to the wintering
of winter crops [with summary in English]. Fiziol. rast. 10 no.2:
130-136 Mr-Apr '63. (MIRA 16:5)

1. Hydrometeorological Administration of Esthonia S.S.R., Tallin.
(Estonia—Plants—Frost resistance) (Sugars)

PAYKOV, M. M. Cand Tech Sci -- "Study of the limit ^{ing} state of ^{the} a steel frame of
a ~~one~~ ^{single}-story industrial building." Rostov-on-Don, 1966 (Acad of Constructio
and Architecture USSR. ^aCentral Sci Res Inst of Construction Design ^s"TSHILOK").
(KL, 1-61, 195)

-225-

PAYKOV, M.M., dotsent

Calculating strains and stresses in steel beams taking into account
the formation of plastic joints. Trudy RISI no.6:187-213 '58.
(MIRA 12:6)

(Strains and stresses)

TENENBAUM, M.M.; KLETSKIN, M.I.; YEREMEYEV, A.P.; PAYKIN, M.M.

Structural analysis of dust protecting devices for the bearing units of agricultural machinery. Trakt. i sel'khozmaash. no.8
29-32 Ag '65. (MIRA 18.10,

1. Vsesoyuznyy nauchno-issledovatel'skiy institut sel'skokhozyaystvennogo mashinostroyeniya, Moskva (for Tenenbaum, Kletskin).
2. Ryazanskoye gosudarstvennoye spetsial'noye konstruktorskoye byuro (for Yermeyev, Paykin).

KOLMAKOV, V.N.; [AYAY, N.G. [deceased]

Content of cholesterol and its ethers in the aortic wall during various stages of developing atherosclerosis in man. Kardiolog 1a 4 no.6:25-26 N-D '64. (MIRA 18:2)

1. Kafedra biologicheskoy khimii (zav. - prof. S.V.Nedzvetskiy
Leningradskoye sanitarno-gigiyenicheskoye meditsinskoye instituta.

PAYKOV, N.G.

Morphology and pathogenesis of pneumonia in brain injuries
[with summary in English]. Trudy ISGMI 41:105-118 '58 (MIRA 11:11)

(BRAIN, wds & inj.

post-traum. pneumonia, morphol. & pathogen (Rus))

(PNEUMONIA, etiol. & pathogen.

brain inj., morphol. & pathogen (Rus))

PAYMENT, 1.2., 1.2.2. (11.1) "The...
...by in affection."...
...S-n-H...
... (1.2.2.2, 11.1)

PAYKOV, N.G.

Problem of intravital massive desquamation of the bronchial
epithelium. Arkh.pat. 22 no.2:59-65 '60. (MIRA 13:12)
(BRONCHI--DISEASES) (BRAIN--DISEASES)

PAYKOV, N.G.

Forms of pneumonia in patients with disorder of the central nervous system. Zhur. nerv. i psikh. 60 no. 6:699-701 '60. (MIRA 13:12)

1. Patologoanatomicheskaya laboratoriya (rukovoditel' - prof. V.D. TSinzerling) Leningradskogo sanitarno-gigiyenicheskogo instituta.

(PNEUMONIA) (NERVOUS SYSTEM)

KOLMAKOV, V.N.; PAYKOV, N.G.

Physicochemical state of cholesterol in the aortic wall in
various phases of the development of atherosclerosis. Kar-
diologiya 1 no.5:18-22 '61 (MIRA 17:4)

PAYKOVA, L.V.; PAYKOV, N.G.

Morphology and pathogenesis of large myocardial scars in coronary atherosclerosis. Vest.AMN SSSR 16 no.3:13-17 '61. (MIRA 14:7)

1. Iz kafedry sudebnoy meditsiny (zav. - prof. A.V.Val'ter) i kafedry patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR V.D. TSinzerling [deceased]) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(CORONARY HEART DISEASES)

PAYKOV, N.G.

Effect of circulatory disorders and edema of the lungs on the formation and course of an infectious process in them (pneumonia). Report No.1: Effect of intraperitoneal injection of adrenalin on the development of experimental pneumococcal pneumonia in white rats. Biul. eksp. biol. i med. 52 no.8:37-40 Ag '61. (MIRA 15:1)

1. Iz patologoanatomicheskoy laboratorii (rukovoditel' - chlen-korrespondent AMN SSSR prof. V.D.Tsinzerling [deceased]), Leningrad. Predstavlena akademikom N.N.Anichkovym.
(PNEUMONIA) (ADRENALIN__PHYSIOLOGICAL EFFECT)
(PULMONARY EDEMA)

PAYKOV, N.G.

Effect of circulatory disorders and pulmonary edema on the appearance and course of infectious processes (pneumonia).
Report No.2: Effect of pulmonary edema produced by thiourea on the development of pneumonia. Biul. eksp. biol. i med. 52 no.11:47-50 N '61. (MIRA 15:3.

1. Iz patologoanatomicheskoy laboratorii, rukovodimoy chlenom-korrespondentom AMN SSSR prof. V.D. TSinzerlingom [deceased], Instituta eksperimental'noy meditsiny AMN SSSR, Leningrad. Predstavlena akademikom N.N. Anichkovym.
(PNEUMONIA) (UREA--TOXICOLOGY)
(PULMONARY EDEMA) (BLOOD--CIRCULATION, DISORDERS OF)

PAYKOV, N.G.

Pulmonary edema in organic lesions of the brain and its
relation to pneumonia. Zhur. nevr. i psikh. 63 no.4:531-535
'63. (MIRA 17:2)

1. Laboratoriya patologicheskoy anatomii pri chlene-
korrespondente AMN SSSR prof. V.D. TSinzerling [deceased],
Leningrad.

KOLMAKOV, V.N.; PAYKOV, N.G. [deceased]

Significance of the vascular permeability for the blood proteins in the development of toxic pulmonary edema and alveolar exudate. Trudy LSGMI 75:215-220 '63.

(MIRA 17:4)

1. Kafedra biologicheskoy khimii (zav. prof. S.V. Nedzvetskiy)
i kafedra patologicheskoy anatomii (zav. - prof. D.I. Golovin)
Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

NIKIFIN, V.N.; STAVITSKAYA, L.I.; BELOKON, N.S.; PAYKOVA, L.N.;
SPRENNE, M.V.; YASHINA, L.N.

Ontogenesis of the adrenal glands and thymicolymphoid organs
under normal conditions and following intermittent growth-
inhibiting diet. Zhur. evol. biokhim. i fiziol. 1 no.1:45-51
Ja-F 165. (MIRA 18:6)

1. Kafedra fiziologii cheloveka i zhivotnykh i Otdel ontofiziologii
Biologicheskogo instituta Khar'kovskogo gosudarstvennogo universiteta
im. A.M. Gorkogo.

PAYKOVA, L.V.

Changes in the coronary arteries in sudden "cardiac" death. Study
ISGNI 48:254-264 '59. (MIRA 14:2)
(CORONARY HEART DISEASE)

PAYKOVA, L.V.

Changes in the myocardium in clinical and nonpronounced forms of
coronary arteriosclerosis. Trudy LSGNI 48:274-295 '59.
(MIRA 14:2)

(CORONARY HEART DISEASE)

PAYKOVA, L. V.

Cand Med Sci - (diss) "Changes in the myocardia in persons suddenly
dead from coronary atherosclerosis." Leningrad, 1961. 12 pp;
(Leningrad Pediatrical Med Inst); 200 copies; free; (KL, 7-61 sur,
261)

PAYKOVA, L.V.; PAYKOV, N.G.

Morphology and pathogenesis of large myocardial scars in coronary atherosclerosis. Vest.AMN SSSR 16 no.3:13-17 '61. (MIRA 14:7)

1. Iz kafedry sudebnoy meditsiny (zav. - prof. A.V.Val'ter) i kafedry patologicheskoy anatomii (zav. - chlen-korrespondent AMN SSSR V.D. TSinzerling [deceased]) Leningradskogo sanitarno-gigiyenicheskogo meditsinskogo instituta.

(CORONARY HEART DISEASES)

PAYLAS, F.

Disinfection in the sugar industry. (Supplement) p. 19

PRUMYSL POTRAVIN. (Ministerstvo potravinarskyho prumyslu) Praha, Czechoslovakia
Vol. 10, no. 1, Jan. 1959

Monthly List of East European Accessions (EEAI), LC, Vol. 8, no. 7, July 1959
Uncl.

PAYAIN, N.A.; KOZLOV, A.S., dotsent

A method for locating short-circuits in the electrical networks
of locomotives. Elek. i tepl. tiaga 6 no.10:22-23 0 '62.
(MIRA 15:11)

1. Starshiy master depo Likhobory (for Payain). 2. Moskovskiy
institut inzhenerov zheleznodorozhnogo transporta (Kozlov).
(Electric locomotives—Repairing)
(Electric measurements)

PAYLODZE, I. TSERETELI, T. i TOKHADZE, B.

22770 Paylodze, I. Tsereteli, T. i Tokhadze, B. Obmen Kreatina i Kreatinina U Deteydistrofikov Pri Razlichnykh Zabolevaniyakh. Trudy (Tbilis. Gos. Med. In-T), T. V, 1948. S. 118-24-Na Gruz. Yaz - Rezyume Na Rus. Yaz.

SO: Letopis', No. 30, 1949

DAVIDSON, J., COBBETT, T., & SCHWARTZ, R.

22870. Davlodze, I., T. on 1941, T. i Toklova, B. Otkrytiye i razvitiye
u detevskiy rofikov i razlichnyy pabolevayemykh. "Prilozheniye k zhurnalu",
t. II, 1942, S. 112-24. - zhurn. yazy. - rezume na rus. yazy.

30: IZVESTIYA No. 30, 1942

PAYLODZE, I. B.

The effect of adrenaline and insulin upon the chemistry of
the smooth-muscle tissue. V. S. Varazi and I. B. Paylodze.
Bull. Exptl. Biol. and Med. 41, 155-6(1956)(English
translation).--See C.A. 50, 14925c. E.M.R.

2

PAYLODZE, I. B.

med ✓ The effect of adrenaline and insulin upon the chemistry of the smooth-muscle tissue. V. S. Varazi and I. B. Paylodze, (Med. Inst., Tiflis). *Byull. Exptl. biol. i med.* 41, No. 2, 50-1(1956).—Injection of adrenaline leads to a decrease of glycogen, increased carbohydrase activity, and no change of the amt. of vitamin C in the smooth musculature of the rabbit's uterus. After the injection of insulin the glycogen is somewhat increased with no change in the amount of C or carbohydrase activity. A. S. M. *3*

ASATIANI, V.S., professor; ERISTAVI, K.D., professor, otvetstvennyy redaktor; PAYLODZE, I.B., professor, otvetstvennyy redaktor

[Biochemical analysis] Biokhimicheskii analiz. Izd. 2-oe, dop. i ispr. Tbilisi, Gruzmedgiz. Pt.2. [Microbiological methods. Gasometric methods] Mikrobiologicheskie metody. Gasometricheskie metody. 1955. 510 p. (MLRA 9:12)

1. Chlen-korrespondent Akademii nauk Gruzinskoy SSR (for Asatiani) (BIOCHEMISTRY)

VARAZI, V.S.; PAYLODZE, I.B.

Effect of adrenalin and insulin on the chemistry of smooth muscle.
Biol. eksp. biol. i med. 41 no.2:50-51 F '56. (MLRA 9:6)

1. In kafedry meditsinskoy khimii (sav.-prof. V.S. Varasi)
Tbilisskogo meditsinskogo instituta (dir.-prof. I.M. Menteshashvili)

(MUSCLES, effect of drugs on,
epinephrine & insulin, on glycogen & vitamin C in
smooth musc. (Rus))

(EPINEPHRINE, effects,
on musc., smooth, glycogen & vitamin (Rus))

(INSULIN, effects
same)

(GLYCOGEN, metabolism,
musc., smooth, eff. of epinephrine & glycogen (Rus))

(VITAMIN C, metabolism,
same)

ACCESSION NR: AT4040445

S/2748/63/004/000/0121/0127

AUTHORS: Paylodze, I. P.; Minitskaya, I. L.

TITLE: Linear interpolator in a digital programmed control system

SOURCE: AN GruzSSR. Institut elektroniki, avtomatiki i telemekhaniki. Trudy*, v. 4, 1963, 121-127

TOPIC TAGS: automatic control system, automatic machine, cutting tool, metalworking machine, servomechanism system

ABSTRACT: The programmed control system in question was designed at the Institut elektroniki, avtomatiki i telemekhaniki AN GruzSSR for metal cutting machinery and is claimed to incorporate many original approaches, both with respect to the block diagram and the circuitry and elements employed. The linear interpolator described is made an integral part of the entire control system so as to reduce to a minimum the necessary information conversion and to eliminate the

Cord 1/4

ACCESSION NR: AT4040445

unreliable reversible counter (comparison unit). The function of the latter is assumed by the interpolator itself, the operation of which is synchronized with the actuating unit. A signal initiating the next step of the cutting tool is produced by the interpolator only after the feedback signal indicating correct performance of the preceding step is received from the actuating mechanism. The operation of the interpolator as a computer unit, as a control unit, and as a servomechanism is described. The frequency divider, shift register, and digital gates of the interpolator were described elsewhere (the authors with A. G. Lekvinadze and V. V. Imedadze, Sistema tsifrovogo programnogo upravleniya metallorezhushchimi stankami, VINITI, Moscow, 1961.) The authors claim that the incorporation of the interpolator into the control system made it possible to simplify the system appreciably and at the same time increase operating reliability and flexibility. The use of ferrite-transistor elements increases the noise immunity and makes the system more compact. Most of the ferrite-transistor elements are of original design and were described

Card 2/4

ACCESSION NR: AT4040445

elsewhere (V. V. Imedadze and I. P. Pavlodze, Trudy Instituta elektroniki, avtomatiki i telemekhaniki AN GruzSSR, v. 1, 1960). The main premises underlying the calculation of the interpolator parameters are briefly stated. Orig. art. has: 5 figures.

ASSOCIATION: Institut elektroniki, avtomatiki i telemekhaniki AN GruzSSR (Institute of Electronics, Automation, and Telemechanics, AN Gruz SSR)

SUBMITTED: 00

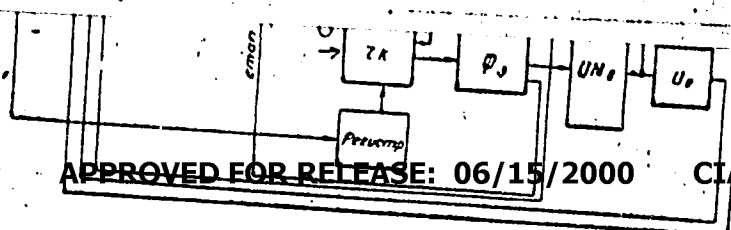
ENCL: 01

SUB CODE: IE, DP

NR REF SOV: 002

OTHER: 000

Card 3/4



APPROVED FOR RELEASE: 06/15/2000

CIA-RDP86-00513R001239720020-5"

Block diagram of programmed control system for lathe
Card 4/4

S/194/61/000/010/032/082
D222/D301

9,7100

AUTHORS: Imedadze, V.V. and Paylodze, I.P.

TITLE: Registers and binary counters with ferrites and transistors

PERIODICAL: Referativnyy zhurnal. Avtomatika i radioelektronika, no. 10, 1961, 32, abstract 10 B215 (Elektronika, avtomatikisa da telemekhanika institutis shromebi Tr. In-ta elektroniki, avtomatiki i telemekhaniki AN GruzSSR, 1960, 1, 65-91)

TEXT: Circuits of distributors and registers with ferrites and transistors, constructed without using blocking pulses are described. In these circuits the transistors are connected into the coupling circuits so that the process of transmitting information to the next digit is different from earlier circuits. The circuits are analyzed for the cases when the shifting windings of all digits are driven sequentially and in parallel. Oscillograms of all basic

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PHASE I BOOK EXPLOITATION

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Akademiya nauk Gruzinskoy SSR. Institut elektroniki, avtomatiki i telemekhaniki

Trudy (Academy of Sciences of the Georgian SSR. Institute of Electronics, Automation and Remote Control. Transactions) No. 1. Tbilisi, 1960. 126 p. 500 copies printed.

Ed. A. I. Eliashvili; Deputy Ed.: E. Ualamueridze; Tech. Ed.: A. Tnodua.

PURPOSE: This collection of articles is intended for scientists and technical personnel concerned with electronics in general, and machine translations in particular.

COVERAGE: Four out of the nine articles concern machine translation from Georgian into Russian, and vice-versa. Two articles consider general problems of machine translation. The three remaining articles discuss various electronic devices. Articles 1, 3, and 4 are written in Georgian with summaries in Russian. The

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Academy of Sciences (Cont.)

SOV/5683

remaining articles are in Russian. No personalities are mentioned. References accompany most of the articles.

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3. Gachechiladze, T. G., and A. I. Eliashvili. Statistics of Two-Letter Combinations for the Literary Georgian Language	25
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5. Kakauridze, A. G. Some Problems in Coding Vowel Sounds	41

Card 2/3

Academy of Sciences (Cont.)

SOV/5683

6. Imedadze, V. V., and I. P. Paylodze. Registers and Binary Counters Using Ferrites and Transistors 65
7. Imedadze, V. V., and A. G. Lekvinadze. Analysis of the Operation of a Thyatron Changeover Switch 93
8. Tsintsadze, Sh. A. Investigation of a Low-Power Synchronous Generator as the Object of Voltage Regulation During Simultaneous Variation in the Speed of the Set 105
9. Chakhirov, N. S. Concerning the Problem of Calculating Transients in an Induction Drive With Choke Control 115

AVAILABLE: Library of Congress (TK7800.A45A14)

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JP/rsm/ec
10-28-61

PAYLODZE, YU, i GOTSIRIDZE, T. KOPALEYSHVILI, B.

22763 Paylodze, Yu, i Gotsiridze, T. Kopaleyshvili, B. A Vitamin Karotin Krovi Pri Abortakh I Prezhdeveremennykh Rodakh. Trudy (Tbilis, Gos. Med. Ii-T), T. V. 1948, S. 205-14. Na Gruz. Yaz. - Rezfme Na Rus. Yaz.

SO: Letopis', No. 30, 1949

USSR/Human and Animal Physiology (Normal and Pathological).
Metabolism. Metabolism of Lipids. T

Abs Jour: Ref Zhur-Biol., No 17, 1958, 79301.

Author : Paylodze, Yu. A.; Chakhava, V.G.

Inst :

Title : Influence of Urea As the Indicator of Cholesterin
and Its Ethers in the Blood of Female Rabbits in
Connection With the Function of the Ovaries.

Orig Pub: Sb. tr. n.-i. in-t okhrany materinstva i detstva
GruzSSR, 1956, 7, 151-153.

Abstract: No abstract.

Card : 1/1

ABULADZE, A.S., prof.; PAYLODZE, Yu.B., prof.; KUTATELADZE, Ye.A., doctent;
ANTELEVA, A.V., assistant; GLOTTI, L.V., assistant

Fluorine content of food products and drinking water in the
Georgian S.S.R. Gig.i san. 24 no.11:71 N '59. (MIRA 13:4)

1. Iz kafedry biokhimii Tbilisskogo meditsinskogo instituta.
(WATER SUPPLY)
(FOOD)

ASATIANI, V.S., professor; PAYLODZE, Yu.B., professor, redaktor

[Biochemical analysis] Biokhimicheski analiz. 2-e dop. i ispr.
1zd. Tbilisi, Gruzmedgis. Pt.1. [Photometric methods. Gasometric
methods] Fotometricheskie metody. Gazometricheskie metody. 1953.
941 p. (MLRA 8:1)

1. Chlen-korrespondent Akademii nauk Gruzinskoy SSR (Asatiani)
(Chemistry, Analytical) (Photometry)
(Gasometers and gasometry)

PAYLODZE, Ye., GOTSIRIDZE, T. i KOFALETSVILI, P.

22763. Paylodze, Ye., Gotsiridze, T. i Kofaletsvili, P. Avtorin kardiokrovi pri abortakh i prezhddevremennykh rodakh. trudy (biblia. gos. na . 1948), t. V, 1948, S. 205-17. - na gruz. yaz. - bezfra na rus. yaz.

SO: INTCHIS! No. 3, 1949

PAYLOV, G. N.

✓ Neural regulation of mammary gland activity. I. A. Baryshnikov, V. N. Barsuk, M. G. Zaks, I. N. Zolnikova, G. N. Paylov, and V. I. Tolbukhin (L. P. Pavlov Inst. Physiol., Acad. Sci. U.S.S.R., Moscow). *Zhur. Obshchei Biol.* 14, 257-74 (1953).—Variations in butterfat content, especially in the alveolar portion of cow milk, under mech. and elec. nerve stimulation form part of the evidence that neural regulation of lactation includes a special control of the fat-forming function in mammary glands. Cf. *C.A.* 46, 925c. Julian F. Smith

PAYLOV, V. A.

USSR.

On the Nature of Viscous Destruction of Metals. V. A. Paylov. (Doklady Akademi Nauk S.S.S.R., 1963, VI, 263-265, National Science Foundation Translation No. 100, Oct., 1963). Changes in the properties of metal undergoing plastic deformation were studied on steel specimens by determining the relation between the impact strength and the magnitude of the preliminary plastic tensile deformation. Experimental results lead to the conclusion that this dependence reflects the effect of plastic deformation, not on brittleness, but on viscous destruction. It is proposed that the instant that necking commences be taken as the beginning of viscous destruction.

M. E. J. J. J.

86114

S/152/60/000/002/001/002
B023/B060

15 6000

AUTHORS: Bezborod'ko, M. D., Vinogradov, G. V., and Pavlov, V. P.
TITLE: Effect of Lubricants and Anti-wear Additives Upon the
Abrasion Wear of Metals in Sliding Friction
PERIODICAL: Izvestiya vysshikh uchebnykh zavedeniy. Neft' i gaz. 1960,
No. 2. pp 73-79

TEXT: The authors wanted to clarify the effect of lubricants and anti-wear agents upon the abrasion wear of metals in sliding friction. Tests were conducted on a four-ball friction machine (Ref 6) with balls 12.7 mm in diameter made of UX6 (ShKh6) steel and X18 (Kh18) stainless steel. The steel hardness was 832 kg/mm² and 657 kg/mm², respectively. The rubbing speed was 21 cm/sec. UX6 (ShKh6) steel balls 9.52 mm in diameter were tested with V. P. Pavlov's sliding machine (Ref 7). The sliding rate in this case amounted to 41.5 cm/sec. The tests were conducted at room temperature by the "one-minute" method. The balls were first subjected to stress, and the machine was then started. The abrasive agents used were electrocorundum micropowders M7(M7), M10(M10), M14(M14), and M28 (M28).

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Effect of Lubricants and Anti-wear Additives S/152/60/000/002/001/002
Upon the Abrasion Wear of Metals in Sliding B023/B060
Friction

and boron carbide micropowders M3(M3), M5(M5), and M7(M7), produced at the Petergofskiy chasovoy zavod (Petergof Watch Factory). The size of the micropowder particles conformed with ГОСТ 3258-46 (GOST 3258-46), and in the case of electrocorundum particles it was correspondingly 7-5, 10-7, 14-10, and 28-20 μ . The boron carbide particles were correspondingly 3-5, 5-3, 7-5 μ large. The mentioned micropowders contained 60-70% main fraction. Mica or silica gel of at most 14 μ were introduced in some of the tests. The micropowders were all added to the lubricants while stirring. The lubricants used were mixtures of plastic lubricants with oils of medium viscosity or with naphthene-paraffin fractions. AY (AU) and MC-14 (MS-14) oils were used as the liquid hydrocarbon media. Dibenzyl sulfide as an anti-wear substance was added to the mixtures in an amount of 2.46 percent by weight. The results obtained by the authors from their tests are in agreement with observed wear resistance of the sulfidized rubbing surface in the presence of abrasives (Ref. 7). It may be seen from Fig. 4 that in all cases the introduction of dibenzyl sulfide reduces friction in the gripping period. The authors were able to establish that the specific effect of the abrasive in the lubricants is to a large extent dependent

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PAYLOVA, S. A.

British Abst.

B II

Aug. 1953

Plastics; Resins; Paints;
Surface Coatings

Experimental investigation of the distribution function of poly-
mers by molecular weights. C. E. Bresler, V. V. Korshak, S. A.
Paylova and P. A. Fikogonov (C.R. Acad. Sci., U.R.S.S., 1952, 87,
1074-1077). A new formula for the distribution function, $P_x =$
 $(2\pi\bar{x})^{-1} \exp\{-[x-\bar{x}]^2/2\bar{x}\}$, is evolved; P_x is the wt. fraction of
the x -mers and x and $\bar{x}$ are polymerisation coeff. and average poly-
merisation coeff., respectively. Experimental data for the mol.-wt.
distribution of polymers are obtained by the ultracentrifuge sedi-
mentation method applied to all fractions of an polyamide dispersed
in methanol. The experiments confirm the assumption of inter-
action and regrouping between polymer chains of different length,
implicit in the evolved formula. S. K. LACHOWICZ.

7-13-54

GIVARTOVSKIY, Lev Aleksandrovich; PAYMEL', S.V., red.; MANINA, M.P.,
tekhn.red.

[New models of the "Moskvich" automobile] Novye modeli avto-
mobilis "Moskvich." Moskva, Gos.izd-vo "Fizkul'tura i sport,"
1959. 159 p. (MIRA 13:6)
(Automobiles--Design and construction)

RAUDAM, E.I.; LUKA, V.Ya.; PAYMRE, R.I. [Paimre, R.]; KHEYNSOO, E.K.
[Heiusoo, E.]; VERNIK, A.Ya.

Diagnosis of intervertebral disk protrusion. Zhur. nevr.i psikh.
60 no.10:1259-1267 '60. (MIRA 14:1)

1. Kafedra nevrologii Tartuskogo gosudarstvennogo universiteta i
Tartuskaya respublikanskaya klinicheskaya bol'nitsa.
(INTERVERTEBRAL DISK--DISLOCATION)

KROL', L.B., doktor tekhn. nauk; KEMEL'MAN, G.N., inzh.; MEN'KOV, N.N.,
inzh.; PAYMUKHIN, V.B., inzh.

Experimental study of intermediate superheating control using steam-
to-steam heat exchangers. Teploenergetika 12 no.4:18-24 Ap '65.

(MIRA 18:5)

1. Vsesoyuznyy teplotekhnicheskiy institut i Zainskaya gosudarstvennaya
rayonnaya elektrostantsiya.

Ca

Rapid determination of carbon content in steels. P. A. Haythorne and Hurton R. Payne, Jr. Am. Machinist 92, No. 24, 124-5(1948).--The method is based on quenching a small piece of the steel into H₂O, brine, or ice brine from a temp. 200-300°K. higher than the usual quenching temp. to insure complete soln. of castides. After grinding to produce parallel surfaces free of decarburization, the Rockwell hardness is detd. and the C content read from a chart of C content vs. max. hardness.

James W. Poynter

52

*S. A.
Lectura.*

523.72

6349. The position and movement on the solar disk of sources of radiation at a wavelength of about 3 meters. R. PANDY-SCHOTT AND A. G. LITTLE. Summary in U.R.S.I. Proc. IXth Gen. Assembl., 8, 250-1 (Pt II, 1950).

Short summary of results of instantaneous measurements of the apparent position on the solar disk, and polarization, of sources of solar radiation at 97 Mc/s. It is suggested that the radio source is situated high in the corona above the associated sunspot group. The former appears to travel faster than

the latter. The same is true for radio bursts associated with flares. G. M. SNOOK

PAYONK, Z.
POLAND/Electricity - Dielectrics

G-2

Abs Jour : Ref Zhur - Fizika, No 3, 1957, No 6976

Author : Payonk, Z., Fokera, A.
Inst : Physics Institute Polish Academy of Sciences, Warsaw, Poland
Title : Ferroelectric Inhomogeneous System with Temperature-Stable Dielectric Constants

Orig Pub : Byul. Pol'skoy AN, 1956, Otd. 3, 4, No 2, 79-82

Abstract : Description of a method for the manufacture of inhomogeneous systems, consisting of solid solutions of metatitanates of barium and strontium for the purpose of obtaining ferroelectric materials with temperature-stable dielectric constant (ϵ) (low temperature coefficient of ϵ). The recipe for the preparation of the mixture is described, the mean value of the temperature coefficient of ϵ is given and is shown to be approximately 14 times smaller than the corresponding mean values for the initial solutions in the temperature range from 15 to 65°. The mean values of ϵ in the same temperature interval are 1335, 1380, and 1890 respectively for the initial solutions in the mixture. After 1.5 years of aging, ϵ diminished to approximately 80% of the

Card : 1/2

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PROCEDURE 300		PROCEDURE 301	
The system: copper-cobalt-sulfur. II. Processes of electrochemical displacement and micrographs obtained by silver nitrate and copper sulfate. Giorgio Pavoni (Univ. Milan, Italy). <i>Cons. chim. ital.</i> 77, 571-4 (1947); cf. C.A. 40, 3048P.—Electrochem. displacement between the metals in the system Cu-Co-S and solns. of AgNO₃ and CuSO₄ makes it possible to identify the formation of two local couples and to establish a scale of relative nobilities of the various phases present. The local couple: (-) Cu sulfate/Cu sulfate (+) causes the deposition of white cryst. Ag, which increases the distinctive characteristics of the 2 sulfides, without, however, making it possible to differentiate micrographically between CoS and Co₂S₃. The local couple (-) Co (primary and secondary)/Co sulfate (Co₂S₃) (+) causes the deposition of black amorphous Ag, which can, therefore be regarded as an indication of the presence of free Co. With CuSO₄, cryst. Cu is deposited. It is impossible to differentiate, by means of the displacement reactions described, between the 2 phases CoS and Cu₂S. The exptl. work also confirms the fact that S increases considerably the nobility of the metals with which it enters into combination to form these sulfides, the behavior of which resembles that of metals. C. C. Davis			
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GUSEVA, A.N.; PAYRAZIAN, V.V.

Hydrocarbons in the dispersed organic substance of the rocks of the
Neogene of the Ararat Basin. Izv. vys. uchet. zav.; neft' i gaz. 8
no.5;108 '65. (MIRA 18:7)

1. Moskovskiy gosudarstvennyy universitet im. M.V.Lomonosova.

GUSEVA, A.N.; PAYRAZYAN, V.V.

Scattered organic substance of rocks in the northwestern part
of the central Araks intermontane trough. Neftegaz. geol. i
geofiz. no.11:29-32 '64. (MIRA 18:3)

1. Moskovskiy gosudarstvennyy universitet.

PAYRAZYAN, V.V.

Characteristics of the distribution of organic matter in the
Tertiary sediments of southwestern Armenia. Dokl. AN Arm. SSR
40 no.1:43-47 '65. (MIRA 18:7)

1. Institut geologicheskikh nauk AN ArmSSR. Submitted June 15,
1964.

GUSEVA, A.N.; PAYRAZIAN, V.V.

Geochemical characteristics of the disseminated organic matter
in rocks of Tertiary sediments in the Erivan region. Izv. AN
Arm.SSR. Geol. i geog.nauki 16 no.2:29-36 '63. (MIRA 16:9)

1. Institut geologicheskikh nauk AN Armyanskoy SSR.

ANAN'YAN, A.K., doktor tekhn. nauk, prof.; BEK-ARMARCHEV, B.I.,
kand. geogr. nauk; ZHAMAGORTSYAN, V.N., kand. tekhn. nauk;
CHITCHYAN, A.I., kand. sel'khoz. nauk; YSDIGARYAN, Z.P.,
mlad. nauchnyy sotr.; SATIAN, M.A., kand. geol.-mineral.
nauk; PAYRAZYAN, V.V., mladshiy nauchnyy sotr.; VEBER, V.V.,
prof.; NAZARYAN, A.G., kand. tekhn. nauk; POKHSRARYAN, M.S.,
mladshiy nauchnyy sotr.; TER-ASTVATSATRYAN, M.I., mladshiy
nauchnyy sotr.; VELIKANOV, M.A.; VELIKANOV, M.A., otv. red.;
SHTIBEN, R.A., red. izd-va; KAPLANYAN, M.A., tekhn. red.

[Results of complex research on the Sevan problem] Rezul'taty
kompleksnykh issledovaniy po Sevanskoi probleme. Erevan,
Izd-vo AN Armianskoi SSR. Vol.2. [Channel processes] Ruslovy
protssessy. 1962. 255 p. (MIRA 15:7)

1. Akademiya nauk Armyanskoy SSR, Yerivan. Institut vodnykh
problem. 2. Chlen-korrespondent Akademii nauk SSSR (for
Velikanov).

(Sevan Lake region--Hydrology)

L 13081-66 EWT(d)/EWT(1)/EWP(v)/EWP(x)/EWP(h)/EWA(h)/EWP(1)/ETC(m) WW

ACC NR: AP5028682

SOURCE CODE: UR/0318/65/000/011/0032/0033

AUTHOR: Pays, L. G.

38 B

ORG: Novo-Ufinka Petroleum Refinery (Novo-Ufimskiy neftepererabatyvayushchiy zavod)

TITLE: Electric contact level gage for measuring the position of the level of conducting corrosive liquids in tanks without excess pressure

SOURCE: Neftepererabotka i neftekhimiya, no. 11, 1965, 32-33

TOPIC TAGS: liquid level indicator, petroleum refinery equipment, *ELECTRIC MEASURING INSTRUMENT, STORAGE TANK*

ABSTRACT: To measure the level of a corrosive reagent in a tank, L. G. Pays, A. G. Gresyuk, and N. V. Maslennikov, on the staff of the automation section of the KIP NUNP2, proposed and constructed a special automatic level gage. A distinctive feature of the design is the fact that the probe which comes in contact with the liquid does so only during measurements, and remains out of contact with the liquid or its vapor during intervals between measurements. The instant when the probe reaches the level of the liquid and the rise of the latter above the allowed level are determined by using the liquid itself as the conductor which closes the electric circuit of the apparatus.

SUB CODE: 13, 14 / SUM DATE: none

Card 1/1

HW

UDC: 681.128.6

FAYDANIS, I. A., KOTLEGA, I. N.

"The pathogenesis of the plague among the *Arctomys bobak* during the active period of their life." Page 254

Desyatova, sveshchivaya i dr. "Golovicheskin problem i prirodnoyeh vr boleznyah. 22-29 Oktyabrya 1959 g. (Tenth Conference on Parasitological Problems and Diseases with Natural Foci 22-29 October 1959), Moscow-Leningrad, 1959, Academy of Medical Sciences USSR and Academy of Sciences USSR, No. 1 254pp.

Central Asiatic Antiplague Inst./Alma Ata

CHEREK, I.I.; PAYSAKHODINA, S.L.

Production of high-melting types of ceresin based on petroleum
by-products of eastern refineries. Trudy BashNII NP no.1:171-180
'59. (MIRA 12:6)

(Ceresin)
(Petroleum industry--By-products)

PALSAKHOV, I.L., kand. tekhn. nauk.

Evaporating solutions with use of low temperature heat sources.

TSvet. met. 30 no.12:41-44 D '57.

(MIRA 11:1)

(Solution (Chemistry))

Payshkin / A. M.

USSR/Kinetics - Combustion. Explosions. Topochemistry. Catalysis. B-9

Abs Jour : Referat Zhur - Khimiya, No 6, 1957, 18603

Author : Ya.M. Payshkin, M.V. Kurashev.

Inst : Academy of Sciences of USSR.

Title : Efficiency of Various Catalysts at Alkylation of Benzene by Propylene.

Orig Pub : Izv. AN SSSR, Otd. khim. n., 1956, No 8, 1006-1015

Abstract : The efficiency of the catalyzers $H_3PO_4 \cdot BF_3$ (I), 88.7% $H_3PO_4 \cdot BF_3$ (II), $AlCl_3$ (III), $AlCl_2 \cdot HSO_4$ (IV), $H_2O \cdot BF_3$ (V) and H_2SO_4 (VI) at alkylation of benzene by propylene in liquid state at 20 to 80° was studied. The most efficient (in respect to catalyst consumption) proved to be I, II and III. The greatest concentrations of isopropylbenzene are achieved in presence of $AlCl_3$ and catalysts of the BF_3 base. Nearly the same amounts of isopropylbenzene are produced in presence of I at a lesser molar ratio of $C_6H_6 : C_3H_6$ than in presence of VI, III and IV.

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- 248 -

PAYSOV, I

V

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615.918
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Posobiye k Laboratornym Zanyatiyam Po Metallovedenyye i Termicheskoy
Obrabotke Stali (Manual for Laboratory Studies and Thermal Treatment of Steel,
by) D. Ya. Vishnyakov i I. V. Paysov. Moskva, Metallurgizdat, 1955.
113 p. Diagr., Tables.
"Literatura" at the end of each chapter.

RENDOSH, F. [Rendos, F.]; DOMANSKIY, R.; KOZMAL, F.; ZELNIK, A.; PAYTIE, I.

Production of furfurole and acetic acid by means of low-temperature
pyrolysis of sawdust in a fluidized bed. Gidroliz. i lesokhim. prom.
17 no.7:12-13 '64. (MIRA 17:11)

1. Slovatskaya akademiya nauk (for Rendosh, Domanskiy, Kozmal).
2. Slovatskiy politekhnicheskiy institut (for Zelnik). 3. Zavod
'Buchina" (for Pavtik).

KLOKMAN, V.R.; PAYUSOV, S.A.

Nature of the solvent and radius of the microcomponent cations
as factors affecting the crystallization coefficient.

Radiokhimiia 2 no.5:521-530 '60. (MIRA 13:10)
(Crystallization) (Strontium chloride)

ANDRYUSHCHENKO, Yu.S.; BAGIN, Yu.I.; BASHKIRTSEV, A.A.; BELLEN'KOV, G.Ye.;
 BELINICHER, I.Sh.; BUSHUYEV, N.M.; VAGANOV, A.K.; GASHEV, A.M.;
 YES'KOV, K.A.; ZGIRSEY, Ch.I.; IGANT'YEV, M.I.; KORUSHKIN, Ye.E.;
 KUZ'MOV, N.T.; PATSEVICH, I.R.; PICHAK, P.I.; PAYSELS, V.B.;
 HUDAKOV, A.S.; SAPRYKIN, V.M.; SIDOROV, P.F.; UMINSKIY, Ye.A.;
 KHANZHIN, P.K.; CHERNOVSKIY, Yu.I.; YERAKHTIN, D.D., kand. tekhn.
 nauk, retsenzent; MAKAROV, M.P., inzh., retsenzent; TORBNYEV, Z.S.,
 kand. tekhn. nauk, retsenzent; POLKANOV, I.P., kand. tekhn. nauk,
 retsenzent; IGNAT'YEV, M.G., agronom, retsenzent; GUTMAN, I.M.,
 inzh., retsenzent; YERMAKOV, N.P., tekhn. red.; SARAFANNIKOVA, G.A.,
 tekhn. red.

[Reference manual for the agricultural machine operator] Spravochnik
 mekhanizatora sel'skogo khoziaistva. Pt.2. [Repair of tractors and
 agricultural machinery] Remont traktorov i sel'skokhoziaistvennykh
 mashin. Pod red. N.M. Bushueva. Moskva, Gos. nauchno-tekhn. izd-
 vo mashinostroit. lit-ry. 1957. 335 p. (MIRA 11:9)
 (Agricultural machinery—Maintenance and repair)

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Thermodynamic functions of acetone. I. N. Godunov, P. V. Pavukhina and A. Sverdlov. *J. Phys. Chem.* (U. S. S. R.), 14, 276-9 (1940). -- By use of the method of Pitzer (C. A. B., 1939) and the most probable model of the

COMB, mol. the entropy, free energy and heat capacity of COMB, between 200° and 1800° also are calcd. The calcd. up, heat agrees with the observed value. B. C. P. A. ✓

Chemico-Technological Inst, Ivanovo

ASD-55A METALLURGICAL LITERATURE CLASSIFICATION

FROM SYNDICATE

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PAYUKHINA, A.

"On the Transformation of the Eidinoff
and Aston Determinant," Zhur. Eksper. i
Teoret. Fiz., 11, 1941. Chemico-Technological
& State Pedagogical Inst., -1940-.

PAYUNINA, E.I.

Results of the introduction of forage plants in the Rudnyy Altai.
Trudy Inst.bot.AN Kazakh.SSR 17:135-138 '63. (MIRA 17:3)

PAYUNINA, R.I.

Vegetation and feed resources of the Stalin Collective Farm
(Ili District, Alma-Ata Province). Trudy Inst.bot.AN Kazakh.
SSR 6:99-128 '59. (MIRA 12:8)
(Kazakhstan--Pastures and meadows)

PAYUNINA, E. I., Cand Bio Sci -- "Vegetative cover and feeding resources of ~~the~~ kolkhoz im Alma-Ata ~~in the~~ Iliyskiy Rayon ~~in the~~ Alma-Atinskaya Oblast, their efficient use and improvement." Frunze, 1961. (Acad Sci KSSR. ~~By~~ ^{of} Biol Sciences) (KL 8-61, 238)

-162-

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PAYUSOV, K., mayor, kand.filosof.nauk

Moral purity of the Soviet fighting man. Kozm. Voorush. Sil 3 no.2:
49-54 Ja '63. (MIRA 16:2)
(Military education) (Communist ethics)

PAYUSOV, K., mayor

Give constant attention to the promotion of atheism. Komm.
Vooruzh.Sil 1 no.5:44-49 D '60. (MIRA 14:8)
(Russia--Armed forces--Political activity) (Atheism)

PAYUSOV, k., podpolkovnik, kand. filosofskikh nauk

The officer begins service. Komm. Vooruzh. Sil 46
no.19:46-50 0 '65.

(MIKA 18:12)

PAYUSOVA, A.N.

Elementary populations of young breams in the outer Volga Delta.

Vest.Mosk.un.Ser 6: Biol., pochv. 15 no.3:22-32 My-Je '60.

(MIRA 13:7)

1. Kafedra darvinizma Moskovskogo universiteta.
(Volga Delta--Bream)

PAYUSOVA, A.N.

Elementary populations of the young roach in the outer delta of
the Volga River. Trudy Astr. zap. no.5:201-210 '61. (MIRA 16:8)
(Volga Delta--Roach (Fish)) (Fish populations)

PAYUSOVA, A.N.

Methods of observing young roach and bream in elementary
populations. Trudy sov. Ikht. kom. no.13:471-479 '61.

(MIRA 14:8)

1. Moskovskiy gosudarstvennyy universitet imeni M.V.
Lomonosova.

(Roach (Fish))

(Bream)

(Fish populations)

PAYUSOVA, A. N.

Detailed study of the descent of roach (*Rutilus rutilus caspius* Jak.) fry from lagoons into the Volga Delta branches. Vop. ikht. 2 no.3:467-472 '62. (MIRA 15:10)

1. Kafedra darvinizma Moskovskogo gosudarstvennogo universiteta.

(Volga Delta—Roach(Fish)
(Fishes—Migration)

PAYUSOVA, A.N.

Elementary populations of fish fry as a specific object of research
under field conditions. Vop. ekol. 5:159 '62. (MIRA 16:6)

1. Moskovskiy gosudarstvennyy universitet.
(Astrakhan Preserve—Fish populations)
(Ichthyological research)

PAYUSOVA, A.N.

Observations on elementary populations of the Caspian roach
(*Rutilus rutilus caspicus* Lak.) in a river by means of
marking. Biul. MOIP. Otd. biol. 70 no.2:47-54. Mr-Apr '65.
(MIRA 18:5)

PAYUSOVA, A.N.

Behavior of young roach in elementary populations during seaward
migration from ilmens of the Volga Delta. Biul. MOIP. Otd. biol.
66 no.5:155-156 S-O '61. (MIRA 14:10)
(VOLGA DELTA—ROACH (FISH))

PAYUSOVA, A.N.

Early stages of the formation of elementary fish populations.
Zool.zhur. 44 no.10:1516-1525 '65.

(MIRA 18:11)

1. Moskovskiy gosudarstvennyy universitet.

20649

S/186/60/002/005/002/017
A051/A130

5.1150 1043, 1273, 1145, 1418

AUTHORS: Klokman, V. R.; Payusov, A. P.

TITLE: A study of the effect of the nature of the solvent and size of the radius of the cation of the microcomponent, on the crystallization coefficient value

PERIODICAL: Radiokhimiya, v. 2, no. 5, 1960, 521 - 530

TEXT: A comparison was made of the crystallization coefficients of SrCl_2 and RaCl_2 in their distribution between the melt and crystals of PbCl_2 in the same binary systems which showed that the crystallization coefficient (CC) of SrCl_2 is much higher than that of RaCl_2 . The assumption made by the authors in Ref. 1 (V.R. Klokman, G. I. Avdulov, Radiokhimiya, 2, 4, 393, 1960), that all other conditions being equal, the absolute value of CC depends on the ratio of the radii of the cations of the micro- and macro-components, was confirmed in other systems, namely in the systems with BaCl_2 , with which the SrCl_2 and RaCl_2 cocrystallize isomorphically, the

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A study of the effect of the nature of

same as with PbCl_2 . A study was also made of the effect of the nature of the solvent on the value of the CC of the microcomponent. The subjects of the experimental investigations were binary systems, formed by chlorides of alkaline metals Li, Na, K, Cs and barium chloride. SrCl_2 , labelled with Sr^{90} , was used as the microcomponent. The measurements of the Sr^{90} were carried out from the accumulation of its allied product Y^{90} , first separated from the Sr^{90} . Phase diagrams were made of the corresponding systems prior to the experiments on CC determination (Figure 1). Data showed that in the system $\text{BaCl}_2\text{-CsCl}$ the formation of four compounds takes place, which melts incongruently. The determination of the SrCl_2 CC was carried out according to the method described by the author in Ref. 3 (V. R. Klokman, A. A. Mel'nikova, Radiokhimiya, 1, 5, 514, 1959). The Sr^{90} content was calculated from the accumulation formula of the allied product of decay. The results of the CC determination of the strontium chloride in the system $\text{BaCl}_2\text{-LiCl}$ are given in tables 2 and 3. The results of the SrCl_2 CC determination for

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A study of the effect of the nature of ...

the system $\text{BaCl}_2\text{-NaCl}$, at a temperature of 715°C are given in Table 4. The SrCl_2 CC determination in the system $\text{BaCl}_2\text{-KCl}$ was made at three different temperatures, shown in Tables 5-7. Finally, Table 8 gives the results of the determination made for the system $\text{BaCl}_2\text{-CsCl}$. The authors point out that the data obtained showed that the CC of SrCl_2 in its distribution between the melt and crystals of BaCl_2 in all the investigated systems remains a constant value with a change in the amount of the solid phase, temperature and melt composition. It was further shown that the absolute value of the SrCl_2 CC in the system KCl , is twice as low as its value in the system with LiCl and with NaCl . With a shift over to the system with CsCl a further drop is noted of the CC value of the SrCl_2 . The drop in the CC of the SrCl_2 is explained by the formation in the melt of more stable complex ions of the microcomponent as compared to the complex ions of the macrocomponents. The SrCl_2 and BaCl_2 form simple eutectic systems with the Li and Na chlorides, in which, in the case of the absence

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A051/A130

A study of the effect of the nature of

of a complex-forming agent in the liquid phase, the state of the micro- and macro-component should not change with a replacement of the solvent. A study of the distribution of the microcomponent between the solution and isomorphic solid phase, showed that a lowering of the ion activity of the macrocomponent as a result of the formation of the complex compound, causes a drop in the CC, and a drop of the ion activity of the microcomponent leads to an increase of it, (Ref. 8: V. G. Khlopin, Izbr. tr., 1, 196, Izd. AN SSSR, M-L, 1957). Thus, a comparison of the CC values of the SrCl_2 and BaCl_2 in the same systems showed that the absolute value of the CC of the microcomponent is that much greater the closer the ion radii of the micro- and macro-components are (Table 9). The authors point out that if it is assumed that the state of the micro- and macro-components does not change in the melt with a shift over to the system with KCl , then one can conclude that the compound $\text{BaCl}_2 \cdot 2\text{KCl}$ is completely disassociated in the melt. The process of distribution is said to be characterized by two constants: the CC (D) and distribution constant K. The latter two were investigated and K was calculated in the systems BaCl_2 - SrCl_2 - KCl and BaCl_2 - SrCl_2 - LiCl , where it was shown that the value of K, just as in

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A study of the effect of the nature of ...

solutions, decreases with an increase of the content of the macrocomponent in the liquid phase, whereas, D , the CC, remains a constant value. The calculations made for determining the value of K for the given system was based on formulae derived in previous works, (Ref. 12: W. Klemm, W. Tilke, S. V. Mullenheim, Z. an. allg. Chem., 176, 1:3, 1, 1928; Ref. 11: I. S. Peake, M. R. Bothwell, I. Am. Chem. Soc., 76, 10, 2653, 1954). The densities of the melts and the volume of the solid phase were estimated, leading to the determination of the liquid and solid phase volumes and K , as the ratio of the volumetric concentrations of the microcomponent in the solid and liquid phase. (Table 10). One of the authors was able to show that K can be calculated for any system when working in the melts, if the concentration of the microcomponent in the liquid and solid phases is expressed in molar parts (Ref. 13: A.I. Belyaev, Fizicheskaya Khimiya rasplavlennykh soley. Metallurgizdat., M., 1957). Then $K = \frac{D}{N}$, where N is the molar part of the macrocomponent in the liquid phase (Table 11). In conclusion the author stresses the fact that the phase diagram of the system $BaCl_2$ - $CsCl$ was plotted for the first time. There are 11 tables, 1 graph (phase diagram) and

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S/186/60/002/005/002/017

A051/A130

A study of the effect of the nature of

13 references: 11 Soviet-bloc, 2 non-Soviet-bloc. The English language publication reads as follows: (Ref. 11) I. S. Peake, M. R. Bothwell, I. Am. Chem. Soc., 76 10, 2653, 1954.

① CsCl (в мол. %)	Температура появления первых кри- сталлов (в °C)	③ CsCl (в мол. %)	Температура появления первых кристаллов (в °C)	⑤ CsCl (в мол. %)	Температура появления первых кристаллов (в °C)	⑦ CsCl (в мол. %)	Температура появления первых кристаллов (в °C)
0	961	50	681	68.5	577	80.0	550
5	918	55	642	70.0	579	82.5	552
10	900	58.2	612	71.25	577	85.0	550
15	876	60.0	603	72.5	572	86.0	571
20	854	62.5	582	73.75	559	87.0	579
25	825	64.0	579	75.0	562	95.0	611
30	812	65.0	579	76.25	560	100.0	635
35	782	66.25	572	77.5	562		
40	750	66.75	570	78.75	558		
45	722	67.5	572				

Table 1: (1) CsCl (in moles %), (2) temperature of appearance of the first crystals (in °C), (3) CsCl (in mol %), (4) temperature of appearance of first crystals (in °C), (5) CsCl (in mol. %), (6) Temperature of appearance of first crystals (in °C), (7) CsCl (in mol %) (8) temperature

of appearance of first crystals (in °C).

Card 6/16

USSR/Forestry - Dendrology.

K-3

Abs Jour : Ref Zhur - Biol., No 9, 1956, 39078

Author : Payvel, A.

Inst : Academy of Sciences, Estonian SSR

Title : Coniferous Species, Introduced in Western Estonia and
the Possibilities of Their Utilization.

Orig Pub : Izv. AN EstSSR, Ser. biol. 1957, 6, No 3, 281-291.

Abstract : Fifty three species of exotic coniferous species were
registered as a result of inventory of dendroflora in the
Western Part of the Estonian SSR during the years 1954 -
1956.

Bio-ecological peculiarities of the exotic species are
briefly described and the possibilities of their further
utilization in cultivation are discussed.

A table with the list of coniferous species which were
registered is added to this study.

Card 1/1

PAYVEL', A. N., Candidate of Biol Sci (diss) -- 'Woody exotes of western Estonia and the possibility of using them'. Tallin, 1959. 25 pp (Acad Sci Estonian SSR, Dept of Biol and Med Sci), 150 copies (KL, No 22, 1959, 112)

PALVIN, A. U.

400

Nestakov, A. A., and Palvin, A. U. On the asymptotic behavior of solutions of nonlinear systems of differential equations. Doklady Akad. Nauk SSSR (N S) 62: 405-408 (1948). (Russian)

The asymptotic behavior as $t \rightarrow \infty$ of the stable solutions of the system

$$dx_i/dt = \sum_{k=1}^n a_{ik}x_k + \varphi_i(x_1, x_2, \dots, x_n, t), \quad i=1, 2, \dots, n$$

(a_{ik} constant, $\varphi_i(0, 0, \dots, 0, t) = 0$), has been studied by O. Perron [Math. Z. 29, 129-160 (1928)] and by I. G. Petrovsky [Rec. Math. [Mat. Sbornik] (1) 41, 107-155 (1934)]. In the present note some of those results are stated under weaker hypotheses. Not all of the proofs are given.

W. Wasow (Swarthmore, Pa.).

Source: Mathematical Reviews,

Vol 10 No. 3

Small

Sci Res Inst. Math, Moscow State Univ.

in Lomonosov - 1948

PART IV, A. 2.

"Asymptotic Behavior of the Distribution of Deviations of a Sample from
Distribution Exceeding a Given Value." *Sov. 27 Jan 61, Moscow Obl. Voenno-Vozdushn. i
V. S. Potokhin.*

Dissertations presented for science and engineering degrees at the University of Illinois.
No. Sci. No. 400, 2 May 65.

85-57-12-16/29

AUTHOR: Payvin, T. and Yevolenko, L., Detachment Commanders of the
Novosibirsk Aeroclub

TITLE: Ground Observation of Airplanes (Nablyudeniye za samoletami)

PERIODICAL: Kryl'ya rodiny, 1957, Nr 12, p 18 (USSR)

ABSTRACT: The authors state that the need to forestall accidents in
the air and in landing called for more effective observation of
student pilots from the ground and led to the installation of an
"observation panel" at the Novosibirsk aeroclub. There are 2
drawings.

ASSOCIATION: Novosibirskiy aeroklub (Novosibirsk Aeroclub)

AVAILABLE: Library of Congress

Card 1/1 1. Aviation accidents-Countermeasures

PAYVINA, Polina Vasil'yevna, Geroy Sotsialisticheskogo Truda, svinarka;
OSIFOVA, V.M., red.; KLYUCHEVA, T.D., tekhn. red.

[My experience in swine fattening] Moi opyt otkorma svinei. Moskva,
Izd-vo "Sovetskaya Rossiya," 1961. 15 p. (MIRA 14:12)

1. Sovkhoz "Krasnaya zvezda" Shadrinskogo rayona Kurganskoy oblasti
(for Payvina). (Swine-feeding and feeds)

PAYYU, Ye.P.

Role of the apron in the quality of condenser paper. Bum.prcm.
32 no.4:25-26 Ap '57. (MIRA 10:7)

1. Setochnik bumazhnoy fabriki "Kommunar."
(Papermaking machinery)